FIG. 1

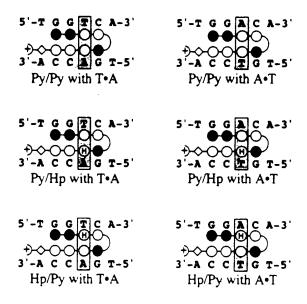


FIG. 2

وسنندي

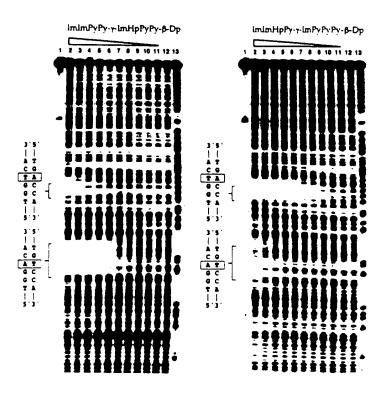
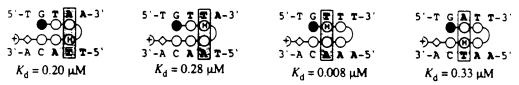


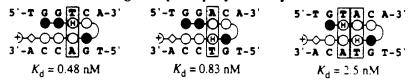
FIG. 3

Programme of the second second

### 6-Ring Hairpin Hp-Py-Im-Polyamides



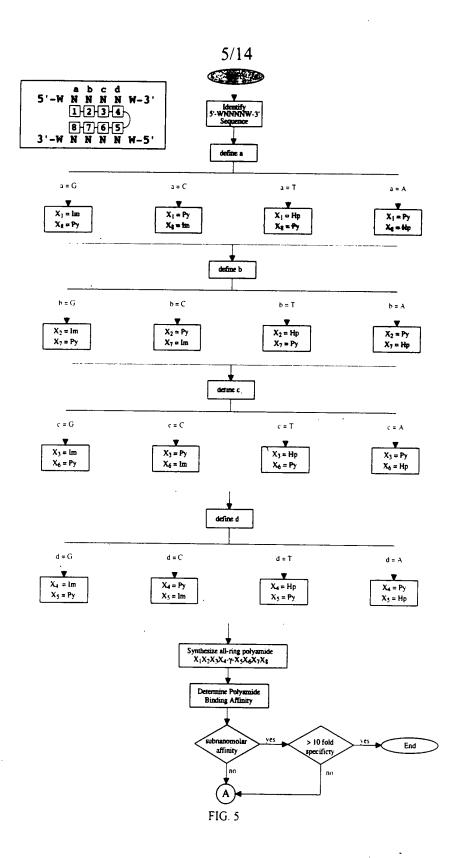
#### 8-Ring Hairpin Hp-Py-Im-Polyamides



#### 10-Ring Hairpin Hp-Py-Im-Polyamides



FIG. 4



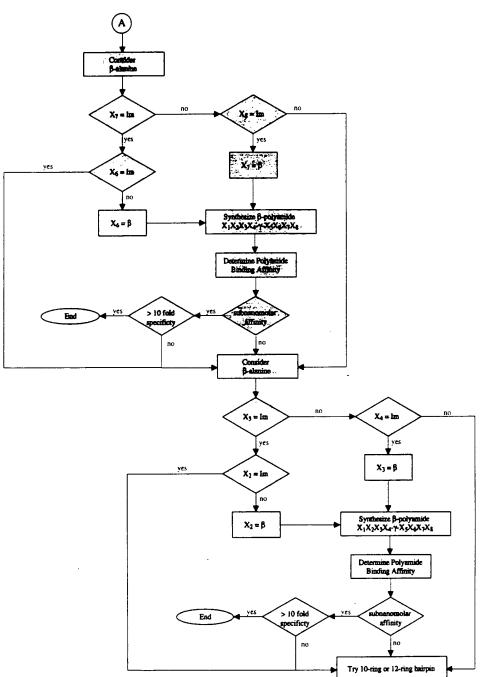


FIG. 6

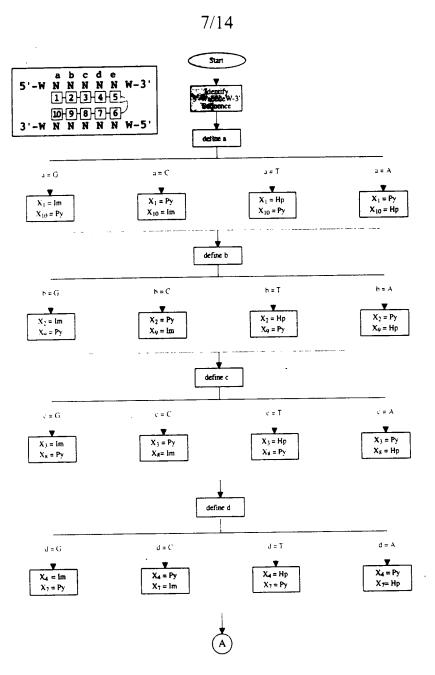


FIG. 7a

وروديها

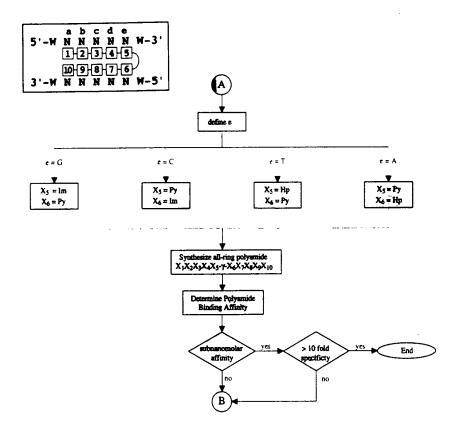


FIG. 7b

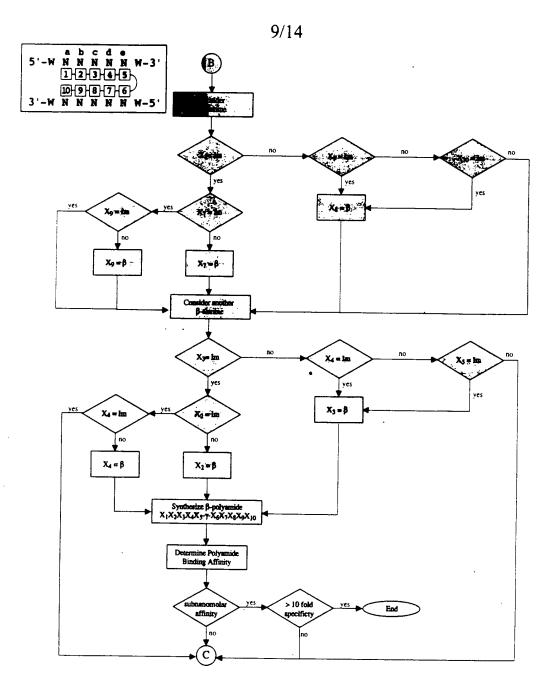


FIG. 8

120

 $X_9 = \beta$ 

 $X_4 = \beta$ 

Synthesize β-polyamide X<sub>1</sub>X<sub>2</sub>X<sub>3</sub>X<sub>4</sub>X<sub>5</sub>-γ-X<sub>6</sub>X<sub>7</sub>X<sub>8</sub>X<sub>9</sub>X<sub>10</sub>

> Determine Polyamide Binding Affinity

> > affinity

> 10 fold specificty

Try 8-ring or 12-ring hairpin

yes

D

**▶**D

•D

•(D)

•D

**▶**D

5'-w n n n n w-3'

100-9-8-7-6-) 3'-w n n n n w-5'

(C)

Consider β-alanine pair

FIG. 9

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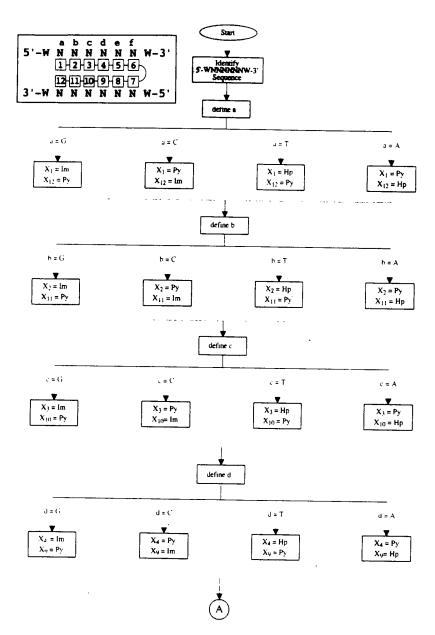


FIG 10A

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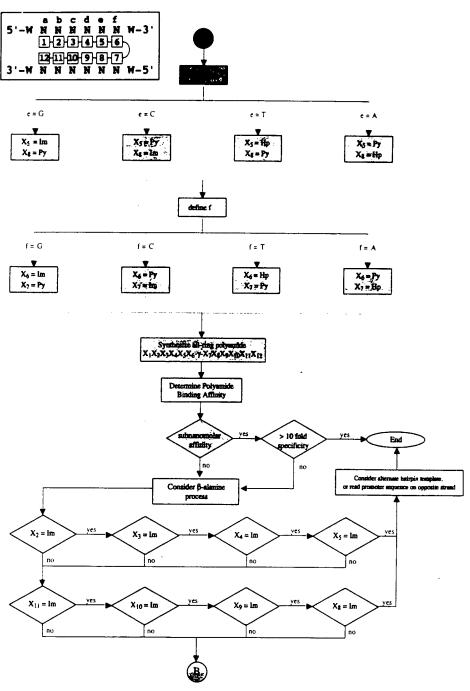
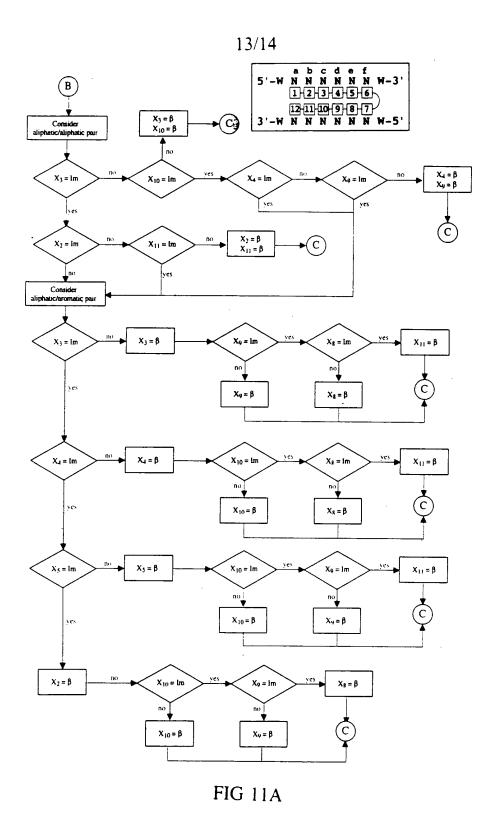


FIG 10B



...

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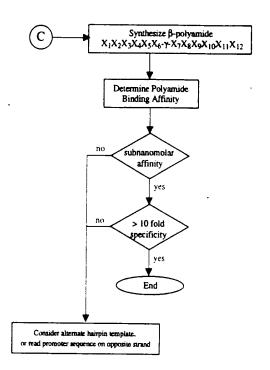


FIG 11B